

REBUTTAL TESTIMONY OF
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HAWAIIAN ELECTRIC COMPANY, INC.

Subject: RATE DESIGN

INTRODUCTION

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- Q. Please state your name, position, and business address.
- A. My name is Estrella A. Seese. I am the Director of Pricing Division, Energy Services Department, Hawaiian Electric Company, Inc. My business address is 220 South King Street, Suite 1201, Honolulu, Hawaii.
- Q. Have you sponsored any other written testimony in this proceeding?
- A. Yes. I submitted direct testimony HECO T-5 on the same subject, Rate Design.
- Q. What will you cover in your rebuttal testimony?
- A. My rebuttal testimony will present HECO/HELCO/MECO's (collectively the "Companies") rebuttal testimony and position on the rate design issues and proposals presented by the Consumer Advocate ("CA") and the County of Maui ("COM"). Additional details in support of the Companies' position on the various rate design issues and proposals are presented by Dr. Douglas Gegax in HECO RT-5A.
- RATE DESIGN ISSUES AND PROPOSALS BY OTHER PARTIES
- Q. What are the rate design issues and proposals by the CA and COM that you will be addressing in your rebuttal testimony?
- A. My rebuttal testimony will cover the Companies' position on the CA's proposal on rate unbundling to effectively deploy distributed generation ("DG"). Dr. Doug Gegax will present a detailed discussion of the concepts of rate unbundling including the unbundling methodologies, as well as the issues and experiences of other jurisdictions in rate unbundling, and why unbundling is not necessary in the deployment of DG facilities in Hawaii.
- My testimony will also address the COM's proposals relating to:

- 1) establishment of generation impact fees for new and expanded loads for all customers, including residential and non-residential customers;
- 2) standby service rate form; and
- 3) establishing inverted rates for the residential class, eliminating the Companies' rate Schedules J and P and replacing it with time-of-use rates, and the COM's proposal for consideration of performance-based ratemaking ("PBR") options.

Dr. Doug Gegax, HECO RT-5A, will also provide further discussions of the flaws and inconsistencies in the COM's proposals relating to the above issues, and why they should be rejected by the Commission as unreasonable and/or irrelevant to this docket.

RATE UNBUNDLING

Q. Please summarize the CA's proposal regarding rate unbundling.

A. The CA contends that to effectively deploy DG, the Companies' current rate structure needs to be unbundled and its tariff rates be modified so that the DG customers connected to the utility grid are able to pay for the generation, transmission, and distribution services and back-up services provided by the utility. (See CA-T-1, Page 8, Lines 1-5.) The CA believes that the utility's rates need to be unbundled so that the utility's cost of service to DG customers are recovered from those customers, and not shifted to, and recovered from, other utility ratepayers. (CA-T-1, Page 23, Lines 16-18.)

Q. Do you agree with the CA's position that unbundling rates is necessary to effectively deploy DG?

A. No. The Companies' do not agree that rate unbundling is necessary to effectively

1 deploy DG. It appears that the CA's proposal to unbundled rates is driven by its
2 goal to ensure that the DG customers are charged cost-based rates for the services
3 that they continue to receive from the utilities. The Companies agree and believe
4 in charging the DG customers, as well as all other customer classes, cost-based
5 rates. The Companies have always advocated fair, reasonable, and equitable rates
6 that are based on cost of service for all rate classes, and not only for some
7 customer class such as the DG customers. Unlike the CA, however, the
8 Companies do not believe that unbundling rates or disaggregating the rates into
9 the functional categories is the only way, nor is necessary, to ensure cost-based
10 rates for DG customers to effectively deploy DG.

11 As stated in my direct testimony, HECO T-5, page 15, lines 15-20, and
12 further discussed by Dr. Doug Gegax in HECO RT-5A, the unbundling of costs
13 and rates was required by the unbundling of the functional services provided by
14 the regulated vertically-integrated power companies in those jurisdictions that
15 have adopted some form of retail competition or customer choice. This instant
16 proceeding is not about mandating retail competition or the unbundling of the
17 functional services provided by the Companies.

18 Q. Doesn't distributed generation offer a form of customer choice in power supply?

19 A. Yes. However, while distributed generation offers some customers alternative
20 power supply options, it is not the same as the retail competition or open access
21 that has been mandated in other states which essentially deregulated the electric
22 power market. The deregulation of the utility power industry in those states
23 disaggregated the functional services that used to be provided by vertically-
24 integrated utilities in a regulated monopoly structure. With such deregulation
25 came the end of the utilities' obligation to serve under the franchise which

1 accorded them the exclusive right to provide power service in their service area.
2 The deployment of DG in Hawaii does not take away the utilities' obligation to
3 serve. The utilities will continue to provide the 'bundled services' of generation,
4 transmission, distribution and ancillary services, to customers such as the DG
5 customer. The rate unbundling as proposed by the CA will not ensure cost-based
6 rates for DG customers, nor is it necessary for ensuring such cost-based rates for
7 the effective deployment of DG.

8 Q. Why would rate unbundling as proposed by the CA not ensure cost-based rates for
9 DG customers, nor is necessary for ensuring such cost-based rates for the effective
10 deployment DG?

11 A. Rate unbundling as proposed by the CA will not ensure cost-based rates for DG
12 customers, nor is it necessary in ensuring such cost-based to effectively deploy
13 DG, for the following reasons:

- 14 1. The CA's proposal to unbundled rates and at the same time keep the revenues
15 from the unbundled rates the same as the revenues from the bundled rates will
16 not result in, nor will it ensure cost-based rates for DG customers. As
17 discussed in my direct testimony, the Companies' current bundled rates reflect
18 substantial cross-subsidies. (See HECO T-5, page 12-14, and HECO-501.)
19 By simply unbundling rates as proposed by the CA, without regard as to
20 whether the costs reflected in the 'bundled' rates that are being unbundled
21 reflect the true class's cost-of-service, will not ensure cost-based rates for the
22 DG customers. In fact, this proposal will result in adverse rate impacts on
23 other ratepayers in the future. Furthermore, it may adversely impact the
24 deployment of DG as it would provide customers with the wrong price signal.
25 2. The DG customers who remain connected to the utility grid will continue to

1 require and receive all the functional services from the utility, including
2 generation, transmission, distribution, and ancillary services. The
3 determination of cost-based rates for DG customers, or for any customer class
4 for that matter, is dependent on the determination of the classes' reasonable
5 share of the costs of these functional services which are reflected in the rates
6 of each customer class (e.g., DG customer class), and how these class' costs of
7 service are recovered in the rates (e.g., demand costs are collected in the
8 demand charge). Unbundling rates in and of itself will not ensure cost-based
9 rates for DG customers. Cost-based rates for DG customers are dependent on
10 the determination of this customer class' fair and reasonable share of the
11 utility's costs of providing the various functional services, as well as the
12 translation of these costs into rates.

- 13 3. As stated in my direct testimony, HECO T-5, page 15-16, the Companies'
14 cost-of- service study method that is used as the basis for the current 'bundled'
15 rates already unbundled the utilities' system costs into the functional service
16 categories. I also indicated in my direct testimony that depending on the
17 extent of the DG market that develops as a result of the DG policy framework
18 from this docket, as well as the extent of availability of the required data, the
19 Companies' cost-of-service study may be expanded to include the DG
20 customers as a separate class in the study. This is based on the presumption
21 that although the DG customers who remain connected to the grid will
22 continue to require and receive 'bundled' services from the Companies, the
23 degree and level of their requirements for these services will or may be
24 different from the customers who receive their entire electric power
25 requirements (full requirements customers) from the Companies. For

1 instance, the DG customers' need and requirement for transmission and
2 distribution services from the utility will in general remain the same or similar
3 as those of the full requirements customers. However, the DG customers'
4 requirement for generation and generation-related ancillary services may vary
5 between DG customers as well as from full requirements customers. This
6 presumption of the cost –causation differences between DG customers and full
7 requirements customers needs to be proven and verified. The proper
8 assessment and determination of the costs caused by the DG customers will
9 depend on the availability of the required data such as, but not limited to, the
10 customers' DG capacity sizes, information on the customers' generating unit
11 availability, frequency and duration of their down time, DG outage
12 verification and reporting, DG customers' load characteristics such as system
13 peak coincident demand, and the DG customers' demand diversity. Ensuring
14 cost-based rates for DG customers requires the accurate determination or
15 assessment of the costs imposed by the DG customers, and how those are
16 translated into rates.

17 Q. Are there other reasons why rate unbundling is not necessary for the effective
18 deployment of DG?

19 A. Yes. Dr. Doug Gegax's testimony in HECO RT-5A provides further discussions
20 on rate unbundling, including the unbundling concepts, the issues, the
21 requirements for unbundling, and why it is not necessary to effectively deploy
22 DG.

23 Q. What current 'bundled' rates would apply to DG customers?

24 A. Until a specific rate schedule for DG customers is implemented, the HECO and
25 MECO customers who install DG and remain connected to the grid will be served

1 under the current applicable rate schedule. The same is true for HELCO
2 customers, except for the addition of the standby charge provided in HELCO's
3 Rider A.

4 In addition, if the Commission approves the Companies' proposed Schedule
5 CHP filed in Docket No. 03-0336, this rate schedule will apply to customers with
6 utility-owned CHP systems installed on the customers' sites.

7 Q. Are the Companies proposing to implement rates that are specific to DG
8 customers?

9 A. The Companies are not proposing rates specific to DG customers in this instant
10 docket, which is intended to address policy issues relating to DG. Depending on
11 the DG market size that develops, and the availability of the required data, the
12 Companies may propose rates specific to DG customers in their next general rate
13 case following the Commission's issuance of its decision and order in this instant
14 docket, in order to reflect and/or incorporate the Commission's findings in the
15 design of such rates.

16 Q. Please summarize the Companies' proposal regarding the CA's proposal on rate
17 unbundling to ensure cost-based rates for DG customers for the effective
18 deployment of DG?

19 A. The Companies agree and advocate cost-based rates not only for the DG
20 customers, but for all rate classes. The Companies believe that the CA's proposal
21 on rate unbundling will not ensure, nor is necessary, in establishing cost-based
22 rates for DG customers. Rather, the Companies believe that establishing cost-
23 based rates for DG customers is dependent on the proper assessment and
24 determination of the costs caused by the DG customers, and how these costs are
25 translated into rates. The Companies propose that the Commission reject the

1 CA's proposal to unbundle rates as it is unnecessary for ensuring and establishing
2 cost-based rates for DG customers for the effective deployment of DG.

3
4 GENERATION IMPACT FEES

5 Q. What is the COM's proposal relating to generation impact fees?

6 A. The COM is proposing to establish a generation impact fee for new and expanded
7 loads, in order to recover the cost of future new power plants. The COM's
8 proposed generation impact fee is \$2,000 per kW of the new customer's connected
9 load. The COM is proposing to apply this impact fee to all customers – both
10 residential and non-residential. A residential customer's typical connected load is
11 about 5 kW, so that the COM's proposed generation impact fee translates to
12 \$10,000 for a typical new residential customer.

13 Q. What is the Companies' position on the COM's proposed generation impact fees?

14 A. The COM's proposed generation impact fee is the same as proposed for the
15 Consumer Advocate by the same witness (Mr. James Lazar) and rejected by the
16 Commission in a prior HELCO rate case, Docket No. 6999. In that docket, the
17 Commission found the same proposal by the same witness as discriminatory as it
18 charges new customers higher rates for essentially the same service, based simply
19 on the customers' vintage. (See Docket No. 6999, Decision and Order No. 11893,
20 page 101-102).

21 As discussed further by Dr. Doug Gegax in HECO RT-5A, the COM's
22 impact fee proposal is unreasonable, lacking sound economic basis, and is
23 contrary to the principle of cost-causation and cost-based rates. In addition, the
24 COM's witness is unable to identify any utility that currently charges similar or
25 the same generation impact fee that he is proposing. (See COM Response to

1 HECO/Maui-DT-IR-3 and COM Response to HECO/Maui-DT-IR-23, subpart d.)
2 The Companies recommend that the Commission again reject the COM's proposal
3 to establish a generation impact fee.
4

5 STANDBY SERVICE RATES

6 Q. What is standby service rate and what is it's role in the deployment of DG?

7 A. Standby service rate is a rate form designed for customers with alternate sources
8 of power supply other than the utility, but require the utility to provide 'stand by'
9 or 'back-up' power when their alternate supply of power is not available for any
10 reason. Standby service is like an insurance policy where the utility has the
11 obligation to serve (except for non-firm standby service), while the customer does
12 not have the obligation to use.

13 As the number of customers with alternate sources of power supply other than the
14 utility increases, and these customers remain connected to the utility grid, the need
15 to establish and implement rates specific to these customers, such as standby rates,
16 will become imperative in order for the utility to recover the costs of providing
17 standby service to these customers, and protect the other rate payers.

18 Q. Do the Companies have standby service rates?

19 A. Only HELCO has a standby service rate provided in Rider A. HECO and MECO
20 do not currently have standby service rates.

21 Q. Are you proposing to implement standby rates for HECO and MECO?

22 A. No. The Companies are not proposing to implement any specific tariff rates such
23 as standby rates in this instant docket as mentioned earlier. The determination
24 and design of an efficient standby service rates requires the proper assessment of
25 the costs of providing standby service to customers, which requires extensive and

1 more detailed data that are not currently available. As stated earlier, the
2 Companies may propose rates specific to DG customers, such as standby service
3 rates, in its next general rate case following the Commission's issuance of its
4 decision and order in this instant docket, in order to reflect and/or incorporate the
5 Commission's findings in the design of such rates.

6 Q. How then did HELCO determine its current standby service rates provided in its
7 Rider A?

8 A. The rates, terms, and conditions of HELCO's standby service rate rider (Rider A)
9 that was approved by the Commission in Docket No. 99-0207, was based on a
10 stipulated agreement between the CA and HELCO. The stipulated standby rate
11 level includes a portion of the generation (20%) and transmission costs (52%), and
12 all of the distribution demand costs (100%) allocated to HELCO's Schedules J
13 and P customers.

14 Q. Did any of the other parties in this instant docket have any proposal relating to
15 standby service rates?

16 A. Yes. The COM is proposing what it describes as a "reasonable" standby charge
17 with lower fixed charge (e.g. lower fixed costs allocated to standby customers
18 than full requirements tariff), and higher variable charge (e.g. higher energy rates
19 than the energy rates for the full requirements customers) to recover a significant
20 portion of the fixed costs. COM T-2 argues that the needs of standby customers
21 are different from full requirements customers, and they should be allocated lower
22 fixed costs than full requirements customers. The COM witness also alleges that
23 serving standby service customers under MECO's current applicable rate schedule
24 (e.g., Schedule P) results in these customers making an "excessive contribution"
25 to MECO's fixed costs. (See COM-T-2, pages 70-71.)

1 Q. What is the Companies' position on the COM's proposed standby rate design?

2 A. The COM's proposed standby rate design with low fixed costs offset by higher
3 energy charges is contrary to cost-based pricing and would perpetuate cross-
4 subsidization. Most of the standby service rates, including the Southern
5 California Edison's standby service tariff provided by the COM witness as an
6 example of a "relatively progressive" form of a standby tariff, are generally
7 designed in terms of demand charge (e.g., \$/kW, \$/kVa). And in most utilities,
8 the standby service customers pay the same energy charge as full requirements
9 customers. The COM's proposed standby rate design with usage-based recovery
10 of the fixed costs (e.g., recovering fixed costs on the basis of kWh usage) would
11 likely result in under recovery of the utility's fixed costs and result in an increase
12 in rates to other ratepayers. The COM's proposed standby rate design could
13 further result in inefficient pricing as it would underprice standby service and
14 result in an inefficient DG market and uneconomic bypass.

15 Q. Do you have any comments regarding the COM's assertion that the needs of
16 standby service customers are different from those of the full requirements
17 customers?

18 A. As I stated earlier, the presumption of the differences in cost-causation between
19 standby service customers and full requirements customers needs to be properly
20 assessed, in order to determine the utility's costs of providing standby service and
21 establishing cost-based standby service rates. This determination of the
22 differences in the costs of serving standby service customers and full requirements
23 customers will require detailed data on the standby service customers' generating
24 units, load characteristics, and operating characteristics.

25 Q. Do you agree with COM T-2 that serving the standby service customers under

1 MECO's current applicable rates would result in these customers making
2 "excessive contribution" to MECO's fixed costs?

3 A. No. The COM did not provide any evidence to support this statement. As the
4 COM recognized in its testimony (COM-T-2, Page 73, Lines 17-19), a substantial
5 portion of MECO's demand costs are recovered in the energy charge. If the
6 standby service customers do not use kWh from the utility, it is unlikely that these
7 customers would even pay the utility's fixed costs reflected in MECO's current
8 applicable rates.

9 Q. What is the Companies' position regarding standby service rates?

10 A. The Companies may propose rates specific to DG customers, such as standby
11 service rates, in its next general rate case following the Commission's issuance of
12 its decision and order in this instant docket, in order to reflect and/or incorporate
13 the Commission's findings in the design of such rates.

14
15 INVERTED RATES AND TIME-OF-USE RATES

16 Q. Are there other proposals relating to rate design made by COM in this docket?

17 A. Yes. The COM brought up some rate design issues which are not relevant to the
18 instant docket on DG. The COM asserts that an inverted rate design for the
19 residential class would be less expensive than implementing time-of-use rates for
20 this class. The COM also recommends eliminating the current declining block
21 rates for Schedules J and P and replacing it with time-of-use rates. (See COM-T-
22 1, page 12-13.) And the COM recommends consideration of performance based
23 ratemaking ("PBR").

24 Q. Do you have comments on the COM's proposal on inverted rate design for the
25 residential class?

1 A. Yes. The COM's proposal on inverted rates for the residential class is irrelevant
2 to this proceeding and should be rejected by the Commission for the following
3 reasons:

- 4 1. The COM's proposal is irrelevant to the instant docket on DG. The
5 residential customers are generally not the potential users of distribution
6 generation.
- 7 2. The COM's inverted rate proposal for the residential class is not cost-
8 based. Its proposal to minimize the customer charge would further
9 exacerbate the intra-class subsidization within the residential class, with
10 the high usage customers (including the low income large households and
11 high usage customers) heavily subsidizing the low usage customers
12 (including the high income and part-time residents). The customer
13 charge in the residential rate schedule is already considerably lower than
14 the residential customer costs. The COM's proposal is not cost-based,
15 perpetuates intra-class subsidization, and would result in the utilities not
16 recovering their fixed costs which in turn could increase rates to all
17 customers in the future.
- 18 3. Inverted rates in the form of lifeline rates have been extensively reviewed
19 by the Commission in Docket No. 3874, and rejected in its Decision and
20 Order No. 6696 issued on June 26, 1981. The Commission's decision and
21 order in that docket noted that inverted rates result in "assisting lower use
22 households and penalizing higher use households. Family size was shown
23 as an important factor in determining how much electricity a family
24 consumes. Larger families use more electricity and poverty households
25 tend to be larger than other households." (See Docket No. 3874, Decision

1 and Order No. 6696, page 132.)

2 4. Time-of-use rates may be a more effective rate form in encouraging
3 customers to efficiently manage their load. Time-of-use rates are cost-
4 based and represent more efficient pricing and will provide customers with
5 appropriate price signals.

6 Q. Do the Companies have residential time-of-use rates?

7 A. HECO currently has a pilot residential time-of-use rate program. The program is
8 a 3-year program that began in May 2003, and is limited to 200 residential
9 customers. The program was designed to determine the residential customers'
10 response to time-of-use pricing, as well as to determine the potential residential
11 customers' subscription rate to time-of-use rates and the sustainability of such
12 residential participation or subscription to such rate offering. The program is
13 currently in progress with a total of 160 customers, and the data collection on the
14 customers' response to time-of-use pricing is continuing.

15 Q. Do you have comments on the COM's proposal to eliminate the current declining
16 block rates for Schedules J and P, and replace it with time-of-use rates?

17 A. Yes. The COM's proposal to replace the current declining block rates for
18 Schedules J and P with mandatory time-of-use rates is unreasonable, has no
19 substantive basis, could result in uneconomic bypass, and is contrary to the rate
20 design objectives and philosophy that the Companies have used and which the
21 Commission has approved in all prior rate cases, such as rate continuity, rate
22 stability and equitability, and avoidance of rate shock. I recommend that the
23 Commission reject the COM's proposal for the following reasons:

24 1. The COM did not provide or offer any substantive justification for its
25 proposal. Mandatory time-of-use rates could have severe economic and

1 costs impacts on customers who cannot respond to time-of-use pricing due
2 to the nature of their business and/or operations. This could result in
3 uneconomic bypass, which in turn could result in rate increases to other
4 ratepayers in the future.

- 5 2. The Companies have been offering various forms of time-of-use rates,
6 referred to as load management riders, to commercial and industrial
7 customers on an optional basis since 1981. These load management riders
8 include Rider T, Rider M, and Rider I. In addition, a stand alone time-of-
9 use rate schedule for large customers, Schedule U, was implemented
10 beginning in 1991. The availability of the Companies' various time-of-
11 use rates, alongside the current Schedules J and P, offer customer choice
12 and flexibility to the commercial customer to select the rate form that
13 provides them with the best economic incentives for their energy
14 efficiency efforts that best meets their energy needs without adversely
15 impacting their business operations.

16 Q. Please describe briefly the various time-of-use rates that are offered by the
17 Companies.

18 A. The Companies' load management riders, as well as the stand-alone Schedule U,
19 provide alternative time-of-use pricing incentives for customers to shift their load
20 away from the system priority peak hours. These riders provide customers with
21 incentives to manage their load through an adjustment or modification to the
22 determination of customers' billing kW demand, which reduces their energy bill.
23 The following provides a brief explanation of each of these load management
24 riders:

- 25 1. Rider T - Time-of-Day Rider

1 Rider T provides time-of-use service to commercial and industrial customers
2 served under Schedules J or P, with kW demand of at least 25 kW. To encourage
3 customers to manage their load and shift their usage to off-peak hours, Rider T
4 modifies the determination of the billing demand in the regular applicable rate
5 schedule by considering only the customer's maximum measured demand
6 occurring during the on-peak hours in the determination of the billing kW
7 demand. To the extent that the customer is able to shift most of his load to off-
8 peak hours, this modification to the regular schedule's billing demand
9 determination lowers the customer's demand charge as well as energy charges. In
10 addition, the customer's kW loads during the off-peak hours are not charged the
11 demand charge.

12 A total of 62 customers are currently served under Rider T across all 3
13 Companies (HECO has 26, HELCO has 9, and MECO has 27).

14 2. Rider M - Off-Peak and Curtailable Service

15 Rider M provides two service options: Option A – Off-Peak Service, and
16 Option B – Curtailable Service. Like Rider T, the Companies' Rider M – Option
17 A provides incentives to customers to shift their load to the off-peak period by
18 modifying the determination of the billing kW demand in the regular applicable
19 rate schedule, by considering only the customer's maximum demand occurring
20 during the on-peak period in the demand ratchet calculation. This modification to
21 the determination of billing kW demand effectively reduces the customer's
22 demand and energy charges to the extent that the customer is able to shift most of
23 his/her load to the off-peak hours.

24 Rider M - Option B encourages customers to curtail their load during the
25 system priority peak hours defined from 5:00 P.M. to 9:00 P.M., Monday to

1 Friday, or to curtail their load during a 2-hour period specified in their Rider M
2 contract. In exchange for load curtailment, the customer's billing kW demand
3 under the regular applicable rate schedule is reduced by 40% to 75% of the
4 customer's curtailed kW load. As in Rider M – Option A, this modification to the
5 customer's billing kW demand effectively reduces his demand charge as well as
6 his energy charge.

7 A total of 54 customers are taking service under the Companies' Rider M
8 (HECO has 24, HELCO has 25, and MECO has 5).

9 3. Rider I - Interruptible Contract Service

10 Rider I provides interruptible service to large customers. The standard service
11 contract provides for a maximum of 15 service interruptions per year and a
12 maximum of 8 hours service interruption per billing period, and requires
13 customers to install an underfrequency relay. In exchange for allowing the
14 Company to interrupt their service, the customers' billing kW demand under the
15 applicable regular rate schedule is reduced by 30% of their interruptible load.

16 HECO has 5 customers receiving interruptible service under Rider I.

17 4. Schedule U – Time-of-Use Service

18 Schedule U provides time-differentiated rates to large customers. The
19 demand charge is applied only to the customer's maximum measured kW demand
20 occurring during the on-peak hours. The energy rates are differentiated by time-
21 of-use rating periods. There are 4 customers currently receiving service under
22 HECO's Schedule U.

23 A copy of the Companies riders and Schedule U is provided in HECO-RT-500.

24 Q. Are any of the COM offices or facilities receiving service under any of these
25 riders?

1 A. Yes. Some of the COM Board of Water Supply facilities are currently served
2 under Rider M(B), and some wastewater treatment facilities are served under
3 Rider T. The COM has numerous accounts with load sufficient to qualify for
4 any of these riders.

5 Q. What do you think would be the impact of the COM's proposal to replace the
6 current Schedules J and P with mandatory time-of-use rates on the COM itself?

7 A. As stated earlier, implementing mandatory time-of-use rates could have severe
8 economic or cost impact on customers, including the COM. The COM's proposal
9 does not take into account the impact on customers, nor on the utilities, nor on the
10 COM itself. It is unreasonable and should be rejected by the Commission.

11 Q. Do you have comments on the COM's proposal for Commission's consideration
12 of PBR options?

13 A. Yes. PBR is not relevant to the instant docket on DG, and should be disregarded.
14 The first of a series of PUC-sponsored workshops intended to gather information
15 for use by the PUC to carry out the mandates of Act 95, have been scheduled for
16 November 22-23, 2004. Act 95, 2004 Hawaii Session Laws, directs the
17 Commission among other things, to develop and implement ratemaking structure
18 including but not limited to PBR which could provide incentives to the utilities to
19 adopt cost-effective renewable resources to meet Hawaii's renewable portfolio
20 standards established in H.R.S. Sec. 269-92. PBR may be best addressed in those
21 PUC-sponsored workshops.

22

23 SUMMARY AND CONCLUSION

24 Q. Please summarize your testimony.

25 A. My testimony provided the Companies' position on the various rate design issues

1 and proposals brought forth by the CA and COM in this docket. These issues and
2 the Companies position are briefly summarized below:

- 3 1. The Companies agree with and advocate cost-based rates not only for DG
4 customers, but for all rate classes. However, unlike the CA, the Companies do
5 not believe that rate unbundling is necessary in ensuring cost-based rates for
6 DG customers for the effective deployment of DG. Rather, the Companies
7 believe that ensuring cost-based rates for DG customers require the proper
8 assessment of the costs of providing service to these customers.
- 9 2. The COM's proposal on impact fees is not relevant to the instant docket, is
10 unreasonable, lacks sound economic basis, and is contrary to the principle of
11 cost-causation and cost based rates, and should be rejected by the
12 Commission.
- 13 3. The COM's proposed standby rate design with low fixed charge and higher
14 energy charges would likely underprice standby service and result in an
15 inefficient DG market and uneconomic bypass.
- 16 4. The Companies may propose rates specific to DG customers in their next
17 general rate case following the Commission's issuance of its decision and
18 order in this instant docket, in order to reflect and/or incorporate the
19 Commission's findings in the design of such rates.

20 Q. Does this conclude your testimony?

21 A. Yes.

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23